

## Abstract of the Disclosure

Architecturally complicated computers require functionally complicated compiler. For such a compiler, the  
5 present invention provides an automatic compiler test program generation method capable of reducing the man-hour required to prepare a test program and testing many aspects of the compiler.

By a random number-used method, a plurality of program  
10 cells are selected from a set of program cells each of which may form an element of a test program. The selected program cells are combined into a test program.